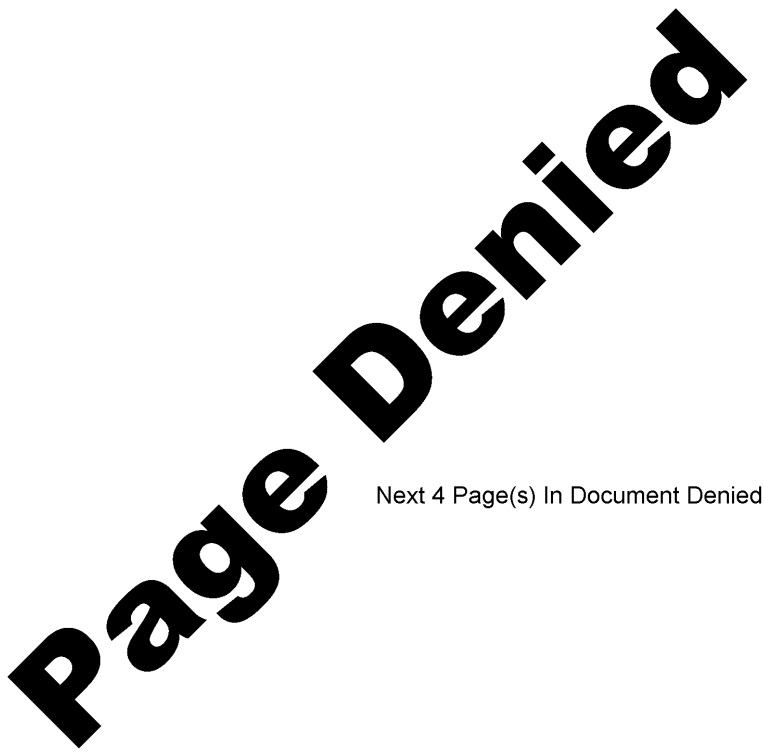


Next 4 Page(s) In Document Denied

TOP SECRET

Copy 97
16 Pages

NPIC/R-210/64
March 1964

PHOTOGRAPHIC INTERPRETATION REPORT

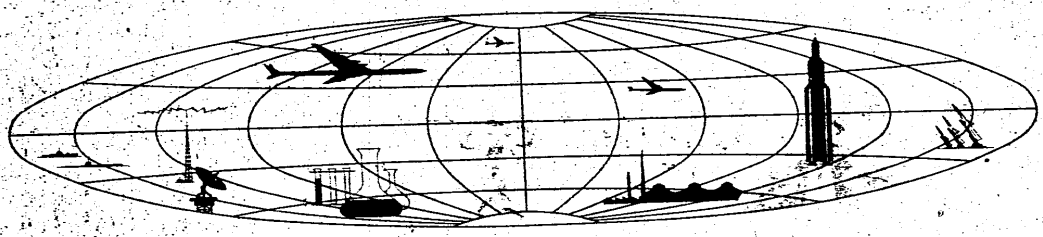
ICBM COMPLEX, DROVYANAYA, USSR

CIA

DIA

25X1

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



TOP SECRET

GROUP 1
Excluded from automatic downgrading and declassification

TOP SECRET RUFF

PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, DROVYANAYA, USSR

NPIC/R-210/64
March 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

TOP SECRET RUFF

Declassified in Part - Sanitized Copy Approved for Release 2012/05/09 : CIA-RDP78T05439A000300290022-7

NPIC R-210 '64

25X1

Launch Site A (TDI Site 1)	51-24N	113-00E
Launch Site B (TDI Site 2)	51-24N	113-04E
Launch Site C (TDI Site 3)	51-27N	113-04E
Launch Site D (TDI Site 4)	51-20N	113-01E
Launch Site E (TDI Site 5)	51-22N	112-50E
Launch Site F (TDI Site 6)	51-19N	112-53E

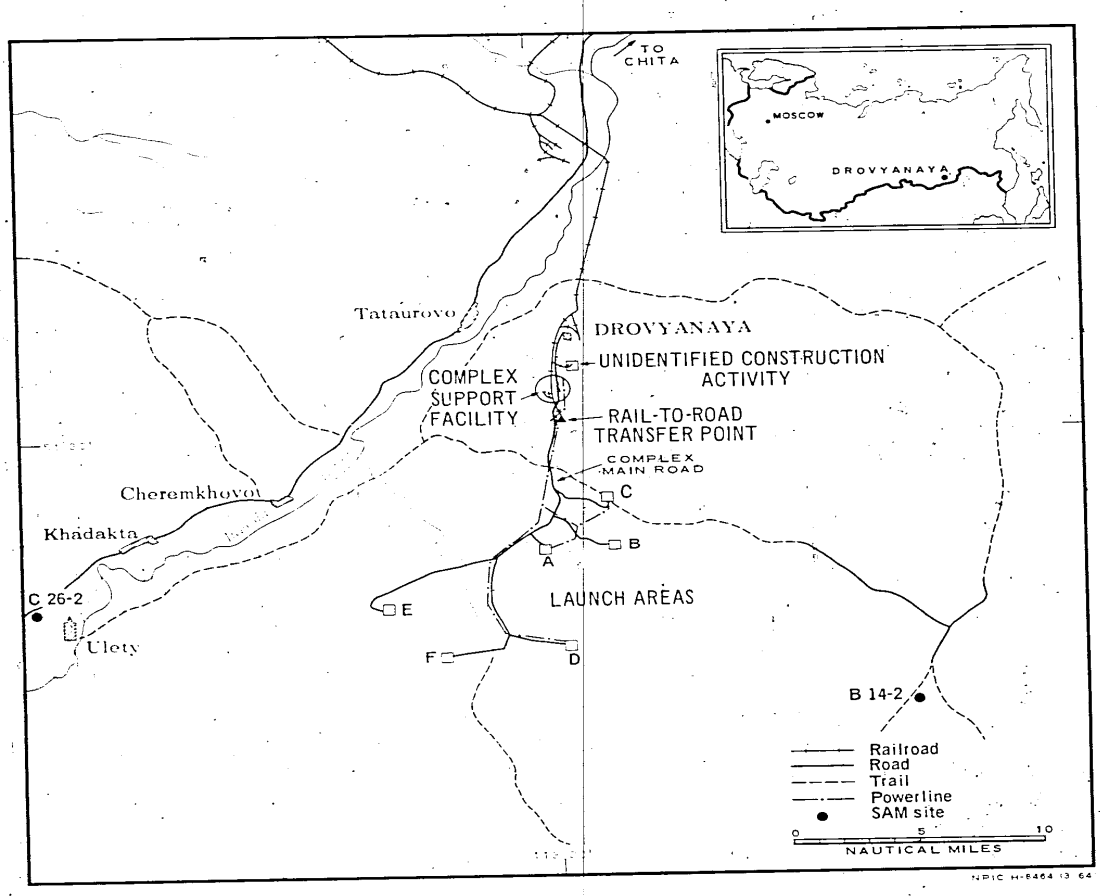


FIGURE 1. LOCATION OF COMPLEX.

NPIC/R-210/64

ICBM COMPLEX, DROVYANAYA, USSR

INTRODUCTION

The Drovyanaya ICBM Complex, about 3.1 nautical miles (nm) south of the town of Drovyanaya and 36 nm south-southwest of Chita, is located in an isolated region with few roads (Figure 1). The surrounding terrain consists generally of low-lying wooded mountains, with a maximum elevation of 4,409 feet. Elements of the complex have been constructed at lower elevations, near small tributaries of the Ingoda river, which drains the region. The complex, which extends south-southwestward for a distance of approximately 13 nm, consists of a complex support facility, a rail-to-road transfer point, a rail-served area of unidentified construction activity, and six launch areas. The launch areas include one Type IIB site (A), two Type IID sites (C and D), and three Type IIIA sites (B, E, and F).

The complex was identified in an early stage of construction on photography of April 1962 [redacted] There was evidence of construction in March 1962 [redacted] but no construction activity was apparent in September 1961 [redacted]

25X1
25X1
25X1
25X1

There are two surface-to-air missile (SAM) sites in the vicinity of the complex:

Drovyanaya ICBM Complex SAM Site B14-2, [redacted]
Drovyanaya ICBM Complex SAM Site C26-2,

COMPLEX SUPPORT FACILITY

The complex support facility is located at 51-32N 113-01E, about 3.1 nm south of Drovyanaya. It is probably complete, and consists of a railhead and storage area 5,500 by 1,800 feet, and an administration and housing area 3,000 by 1,800 feet (Figures 2 and 3). Rail service is provided by a branch line from the Trans-Siberian railroad 17 nm to the north. The branch line, originally 30 nm long, terminates at the rail-to-road transfer point south-southeast of the complex support facility. The original line south of the transfer point has been abandoned, and the section in use has been improved by the elimination of excessive curves. The complex main road connects the facility with all launch areas and the rail-to-road transfer point. Power traces have been identified between the complex support facility and several of the launch areas.

The railhead and storage area, at the southern end of the complex support facility, extends north-and-south along the west side of the branch rail line. Access from the branch line is from the south, via a spur which necessitates backing in. The railhead consists of three parallel spurs ranging from 2,000 to 3,500 feet in length, and spaced 200 to 400 feet apart. Near the northern end of the westernmost parallel spur, a fourth spur branches westward 2,300 feet to a clearing which contains an unidentified structure. The clearing is 350 feet square, and the unidentified

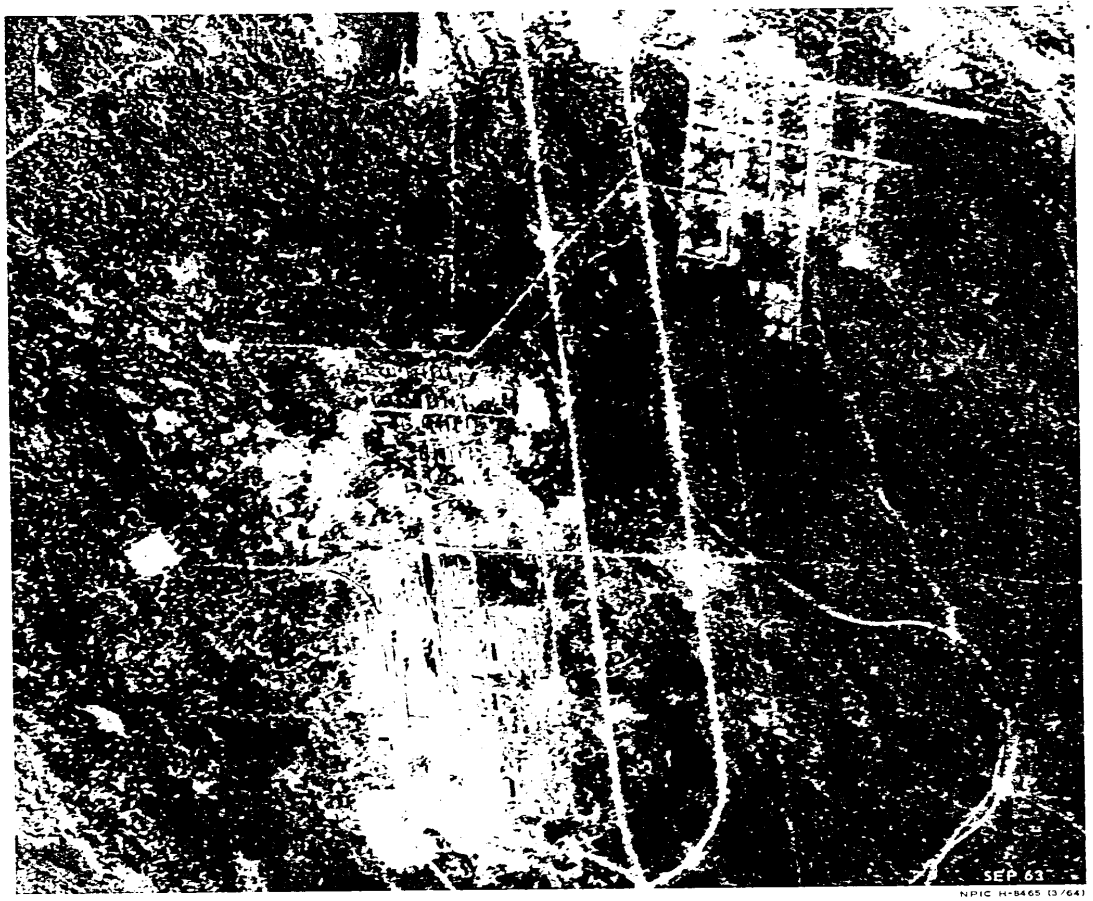


FIGURE 2. COMPLEX SUPPORT FACILITY.

structure appears to be enclosed by an earthen revetment. A batch plant and approximately 20 warehouses and transit sheds of various sizes are located at random in the vicinity of the railhead. Between the railhead and the branch rail line is an open storage area 2,400 by 1,000 feet. At the southwest edge of the railhead, in a cleared area fenced on at least three sides, is a probable POL storage installation. The portion of the storage area north of the railhead contains at least 48 buildings, most of which are 110 by 30 feet. Access roads in the railhead and

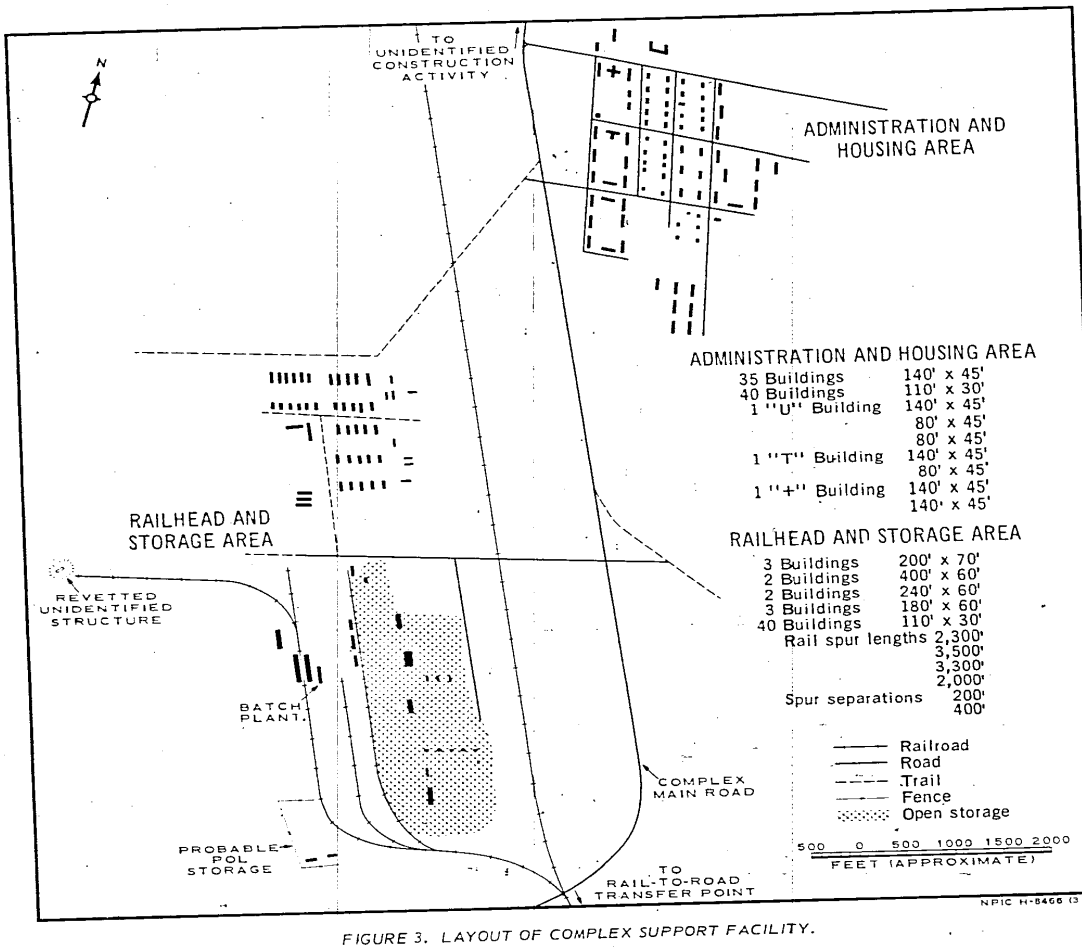


FIGURE 3. LAYOUT OF COMPLEX SUPPORT FACILITY.

storage area connect with the complex main road, but intersections are not characterized by wide-radius turns.

The administration and housing area is 6,000 feet north of the railhead and storage area, on the east side of the branch rail line. It contains at least 83 buildings, 35 of which are 140 by 45 feet, and 40 of which are 110 by 30 feet; the remainder are of various sizes and shapes. There is access to the complex main road, but road intersections in the administration and housing area are not characterized by wide-radius turns.

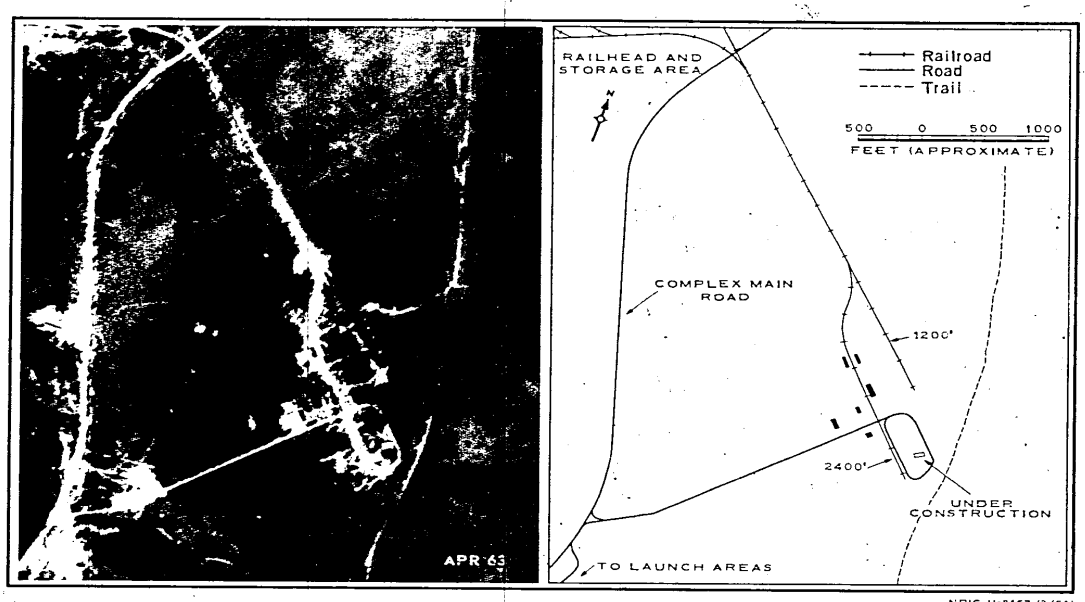


FIGURE 4. RAIL-TO-ROAD TRANSFER POINT.

RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point (51-30N 113-01E) is located 1.5 nm south-southeast of the complex support facility, at the terminus of the branch rail line from the Trans-Siberian railroad (Figure 4). It was observed in a very early stage of construction on photography of April 1962 [redacted]

The facility consists of two parallel sections of track, 1,200 and 2,400 feet in length. The longer track section has a parallel loop road, with access to the complex main road; there are six buildings along the track, and one under construction within the loop road. All road intersections are characterized by wide-radius turns. No security fencing has been identified.

25X1

UNIDENTIFIED CONSTRUCTION ACTIVITY

An area of unidentified construction activity (51-33N 113-02E) is located one nm northeast of the complex support facility, on the east side of the branch rail line from the Trans-Siberian railroad (Figure 5). There was no evidence of activity in the area on photography of November 1962 [redacted] and construction was noted first in June 1963 [redacted] No security fencing has been identified.

25X1
25X1

A spur from the branch rail line extends eastward 3,300 feet, where it forks into two spurs which curve northward about 1,500 feet

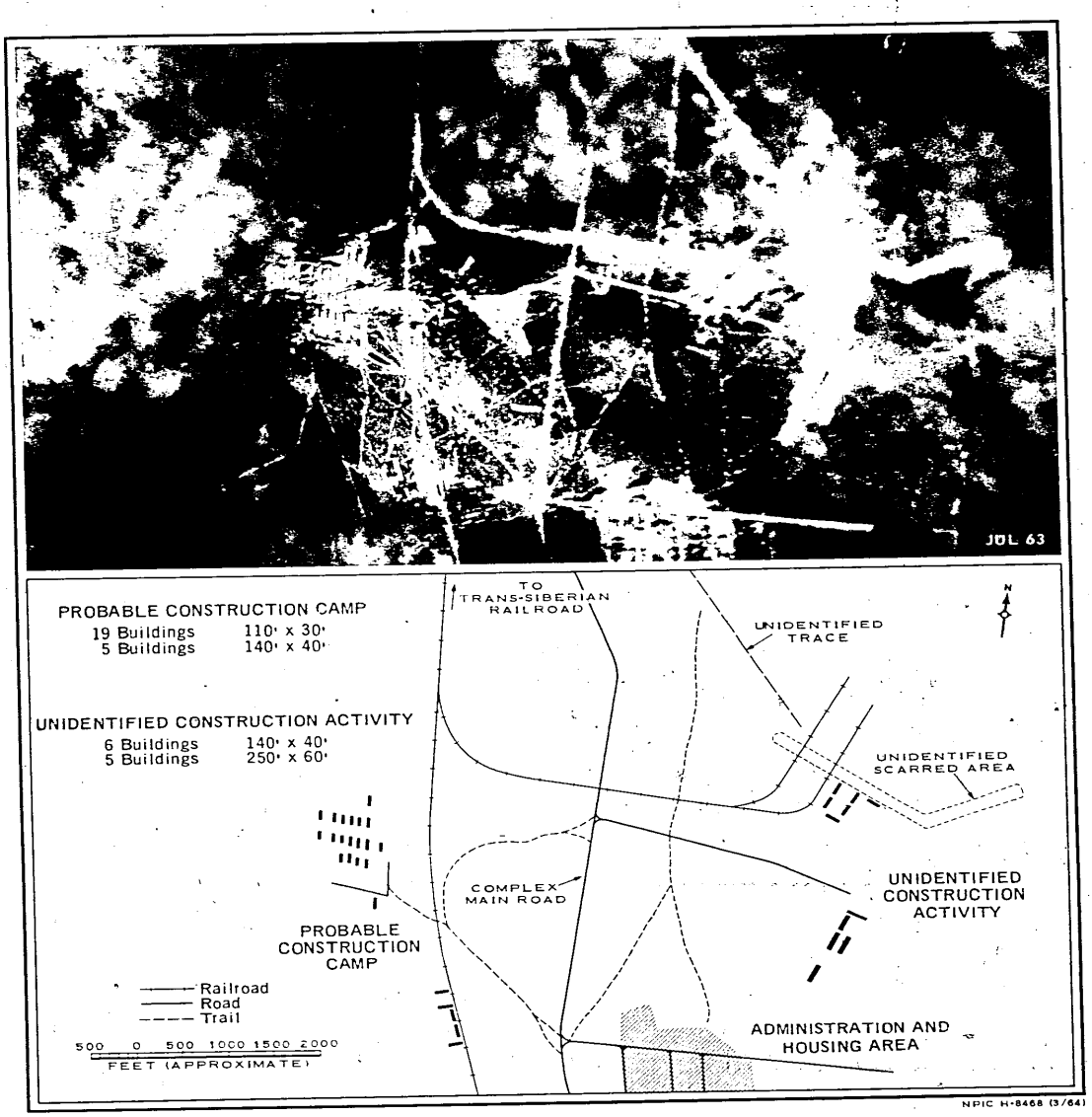


FIGURE 5. UNIDENTIFIED CONSTRUCTION ACTIVITY.

and terminate at the top of a slope overlooking a shallow valley. A wide unidentified ground scar extends southeast across the two spurs for a distance of 1,850 feet, where it turns northeast for an additional 1,000 feet and also terminates at the top of the slope. An unidentified trace extends northwestward from the slope for a distance of 5,500 feet. At least 11 buildings have been constructed in this area, and extensive grading and track activity indicate that further construction is in progress.

The probable construction camp for this activity is on the west side of the branch rail line, just south of the origin of the spur line to the east. It contains at least 19 buildings 110 by 30 feet. A group of 5 buildings 140 by 40 feet is situated alongside the branch rail line, 2,300 feet south of the probable construction camp.

LAUNCH AREA A

Launch Area A is situated near a small stream, in a wooded area 8 nm south of the complex support facility (Figure 6). It contains a completed Type IIB launch site served by an access road with wide-radius turns, and a site support facility. There was no evidence of the site in September 1961 [redacted] but it was in a very early stage of construction in March 1962 [redacted]

The irregularly shaped launch site is approximately 2,000 by 1,400 feet. It is probably double fenced, but security fencing has not been identified completely along the east side. The two elliptical launch pads are 980 feet apart and oriented on an azimuth of 20 degrees, plus or minus 5 degrees. An earth-mounded missile-ready building southwest of the left pad is canted outward approximately 60 degrees from the pad. A road-served small earth-mounded building lies 1,000 feet southeast of the right pad. The center service road, which is offset to the right and connects with the forward loop road, has two bunkered structures on its west side. There are eight smaller buildings within the launch site.

The site support facility, located immediately south of the launch site, contains 12 buildings approximately 160 by 45 feet and 8 smaller buildings. A probable construction camp 3,500 feet northwest of the launch site contains at least 31 buildings.

25X1

25X1

LAUNCH AREA B

Launch Area B, served by an access road with wide-radius turns, includes a Type IIIA launch site in a late stage of construction and a site support facility about 7.6 nm south-southeast of the complex support facility, and a receiving, inspection, and maintenance (RIM) facility 1.8 nm northwest of the launch site (Figure 7). There was no evidence of the site in April 1962 [redacted] but construction had been started by June 1962 [redacted]

The launch site is irregularly shaped and extends 2,000 feet in its longest dimension, with a maximum width of 1,300 feet. It is enclosed by a single security fence. The excavation, containing three launch silos, a control bunker, and two equipment bunkers, has been backfilled. The silos, approximately 180 feet apart, are oriented on an azimuth of 175/355 degrees, plus or minus 5 degrees. The quality of available photography precludes the determination of dimensions other

25X1

25X1

25X1

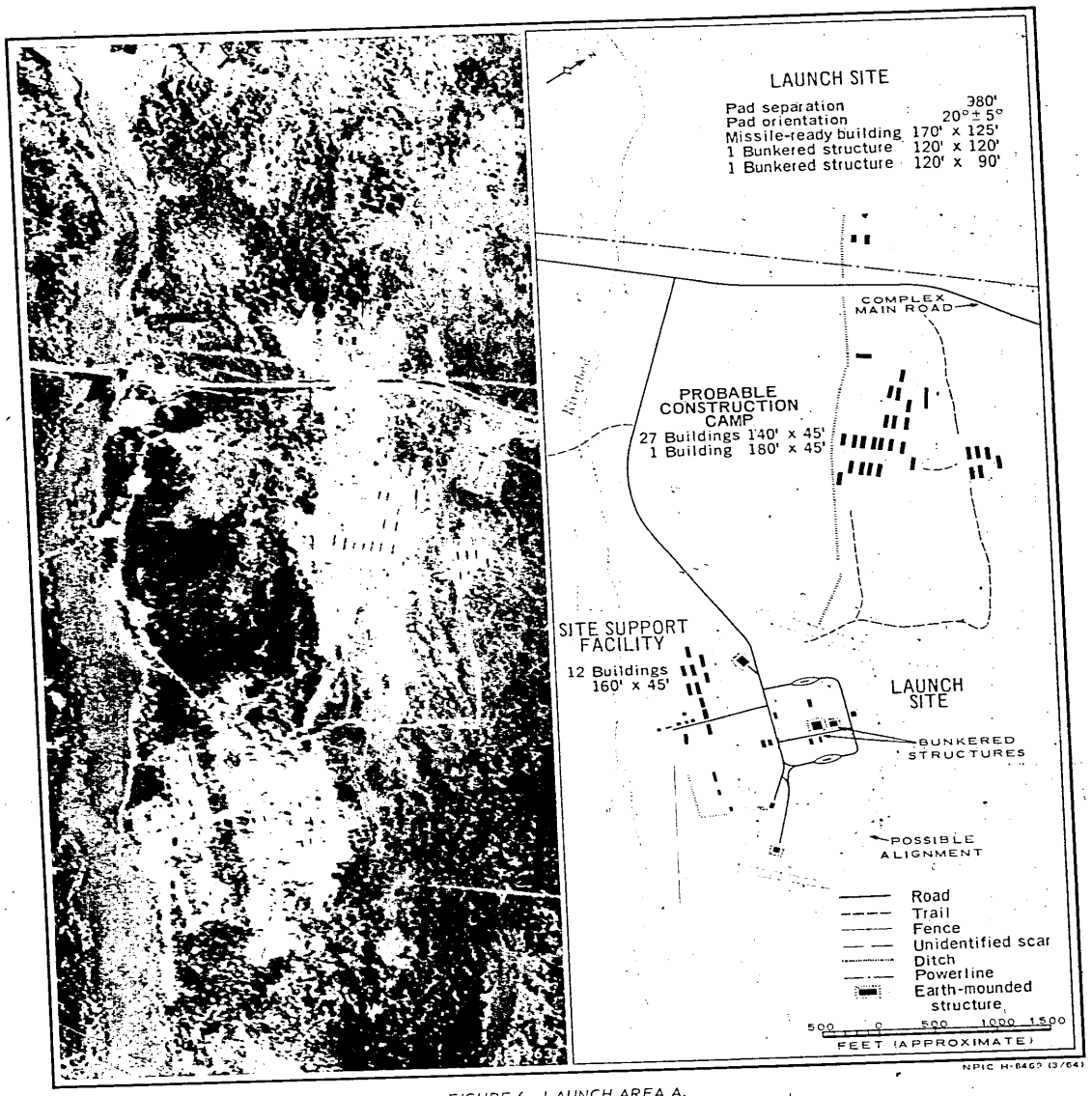


FIGURE 6. LAUNCH AREA A.

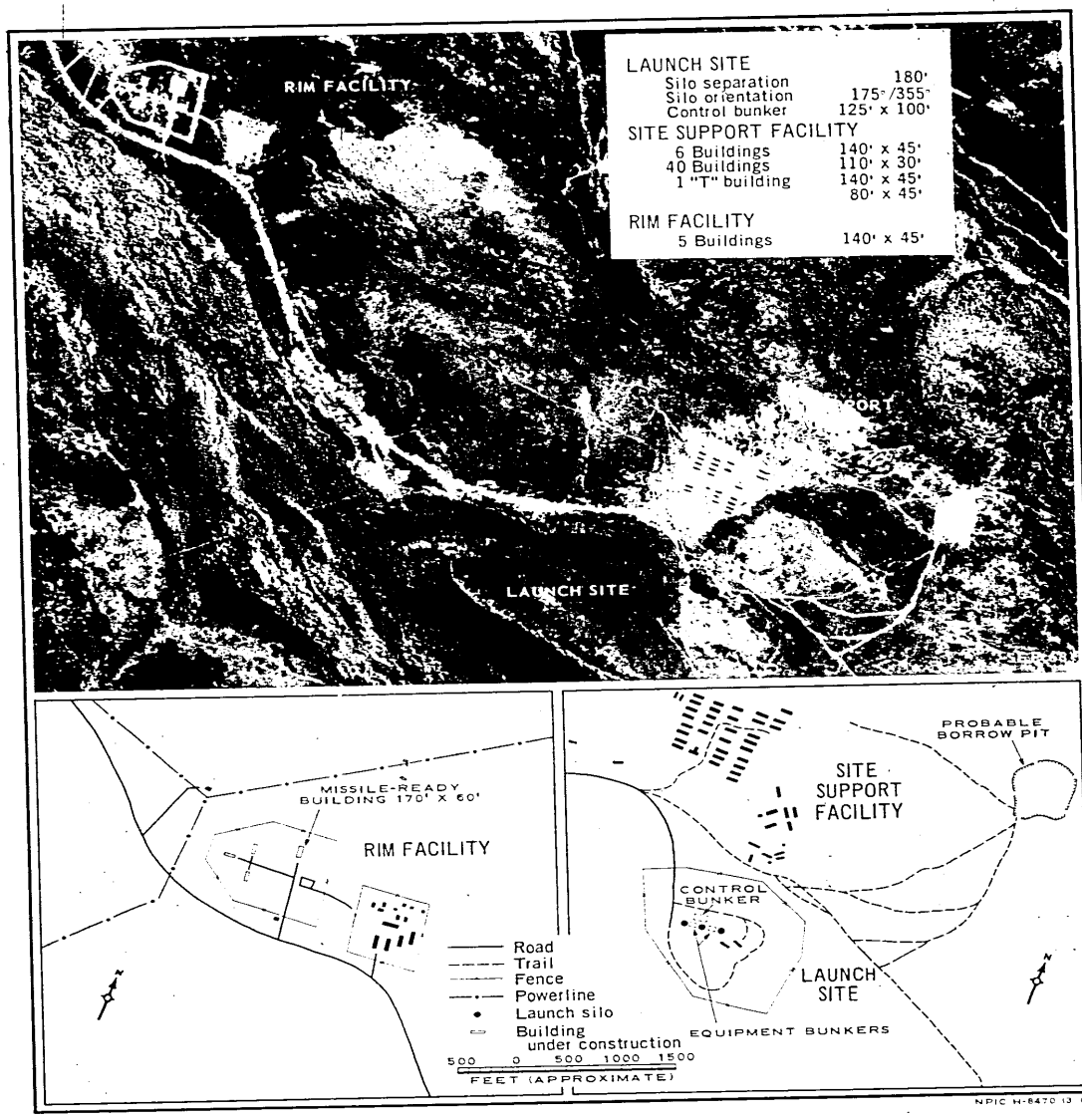


FIGURE 7. LAUNCH AREA B.

than those of the control bunker (125 by 100 feet). The placement of the control bunker on the north side of the line of silos is a unique feature of this site.

The site support facility is located 2,000 feet north of the launch site and contains at least 51 buildings, most of which are 110 by 30 feet.

The RIM facility northwest of the launch site consists of two secured areas along the north side of the access road. One area has an irregular six-sided configuration, narrowing at the west end; it is 1,200 feet long, and has a maximum width of 1,000 feet. A triad of buildings at the west end, and a missile-ready building on a hardstand in the northern part -- both road served -- are under construction in the area. The other secured area, 800 by 675 feet, contains 5 buildings 140 by 45 feet and 9 smaller probable shop buildings.

LAUNCH AREA C

Launch Area C, located 5.2 nm south-southeast of the complex support facility, consists of a completed Type IID launch site and a site support facility (Figure 8). It is situated in a wooded area, and is served by an access road with wide-radius turns. The launch site can be negated on photography of November 1962 although the access road was under construction. The site was first observed in a midstage of construction in April 1963

The launch site, approximately 2,000 feet square, is secured by a fence. The elongated launch pads are 980 feet apart and are oriented on an azimuth of 20 degrees, plus or minus 5 degrees. An unidentified object was positioned on each pad, to the right and forward of the launch positions, in December 1963 There are two earth-mounded canted buildings inboard of each pad. Two earth-mounded buildings, approximately 140 by 45 feet, are located midway between the pads; a small mounded structure is immediately south of the forward building.

A large earth-mounded missile-ready building about 600 feet south of the right pad is canted outward approximately 30 degrees from the pad. A smaller ready building south of the left pad is aligned with the pad.

Unidentified ground scars or trails extend northwestward from the triad of structures and the left pad and ready building, and northeastward from the right pad.

The site support facility is situated 3,500 feet southeast of the launch site. It contains about 43 buildings and structures of various sizes.

25X1
25X1
25X1
25X1
25X1
25X1

LAUNCH AREA D

Launch Area D, located 11.9 nm south-southeast of the complex support facility, contains a Type IID launch site and a site support facility (Figure 9). The site, served by an access road with wide-radius turns, is in a late stage of construction. There was no evidence of the

NPIC/R-210/64

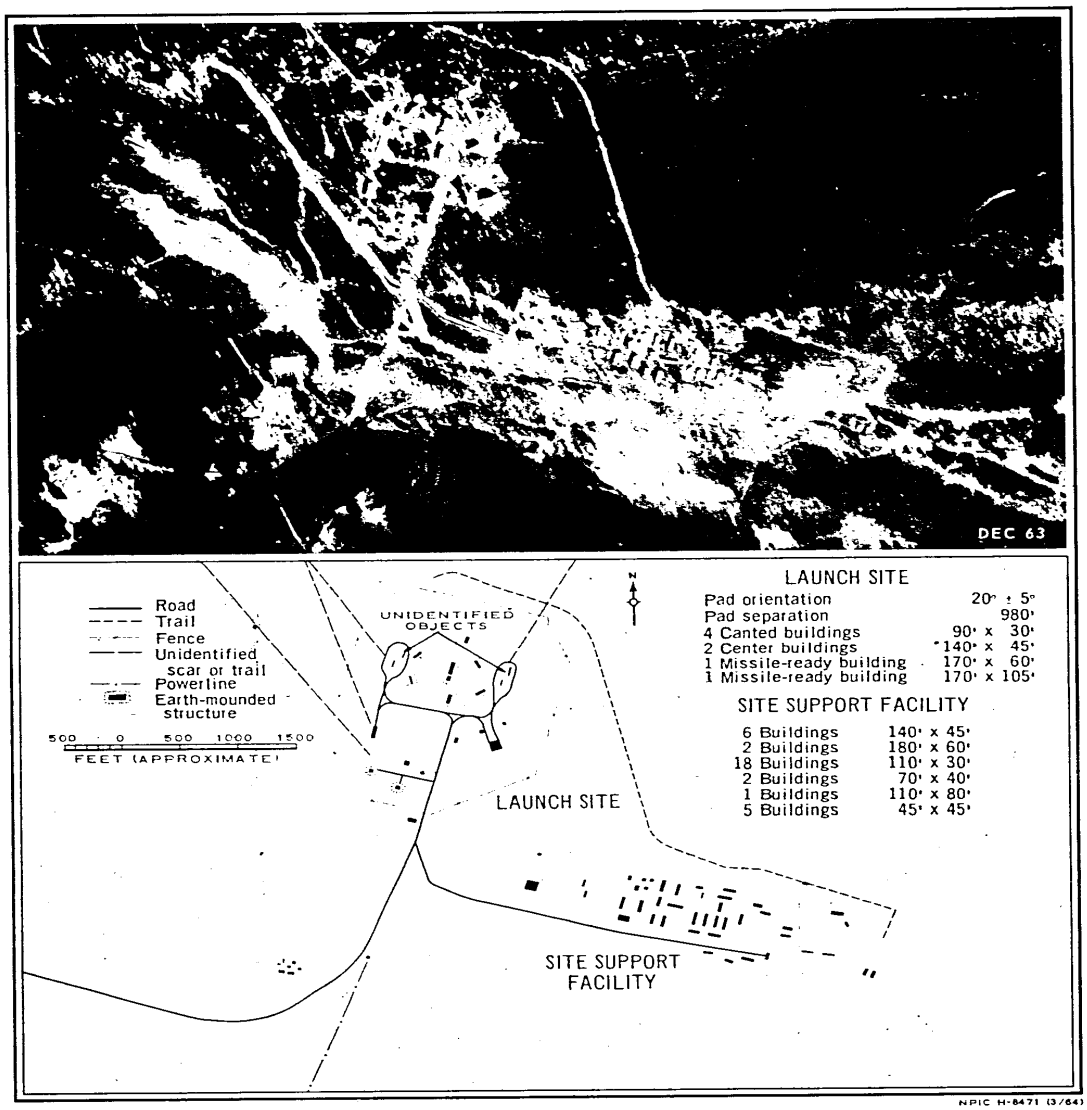


FIGURE 8. LAUNCH AREA C.

NPIC/R-210/64

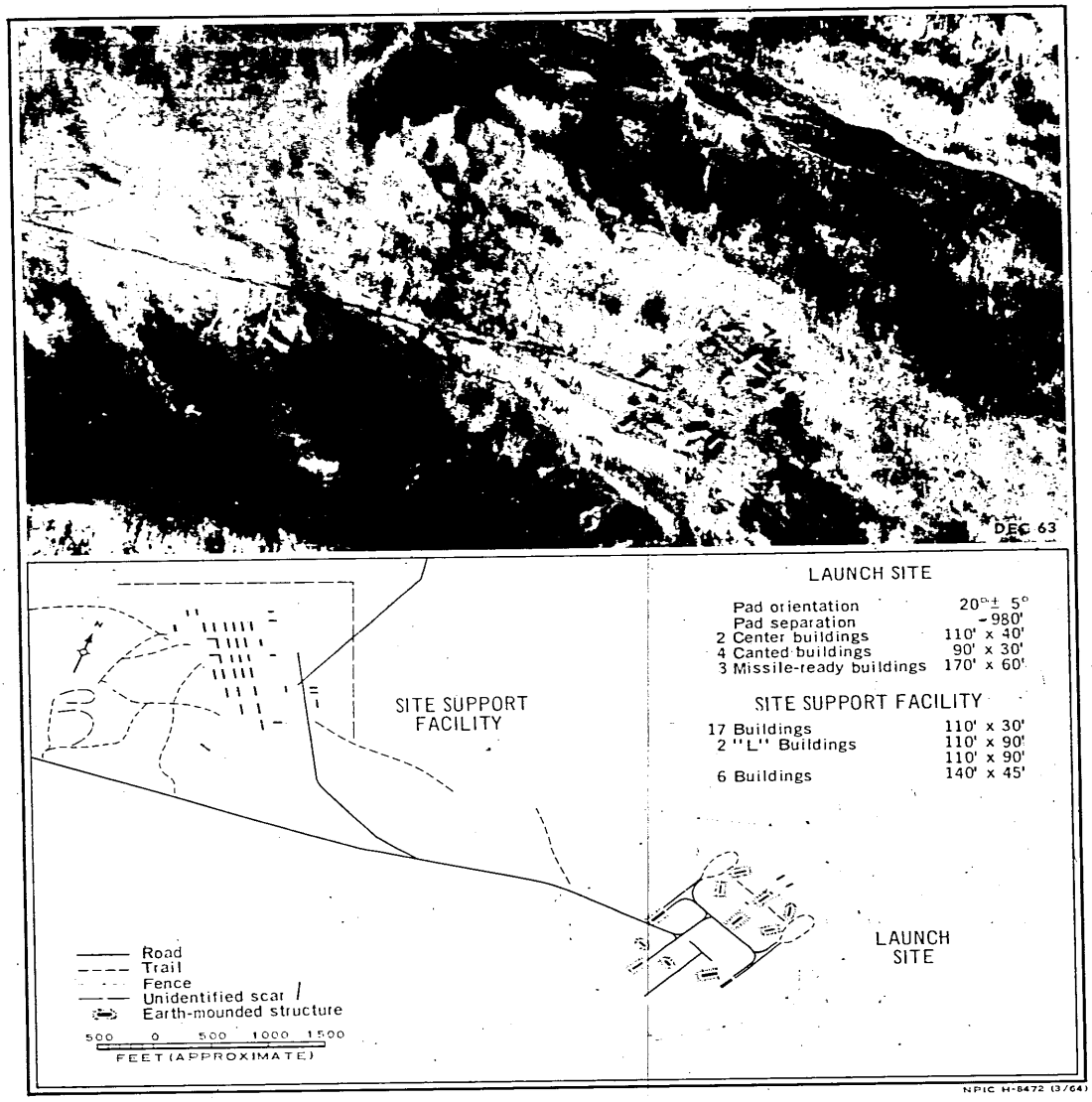


FIGURE 9. LAUNCH AREA D.

site in November 1962 [redacted] and it was first identified in an early stage of construction in April 1963 [redacted]

The launch site, approximately 2,000 feet square, is enclosed by a single security fence with angled corners forming an eight-sided configuration. It contains two launch pads under construction, spaced approximately 980 feet apart, and oriented on an azimuth of 20 degrees, plus or minus 5 degrees. There are two earth-mounded canted buildings inboard of each pad, and two mounded buildings are centered midway between the pads. A missile-ready building, aligned with the pad, is situated about 700 feet southwest of each pad; the ready building behind the left pad is earth mounded. A second earth-mounded ready building, canted inward approximately 30 degrees from the pad, is located southwest of the right pad. The nuclear warhead/nosecone handling facility includes a triad of small earth-mounded structures in the south-central part of the launch site.

The site support facility is located 5,000 feet west-northwest of the launch site and contains at least 38 buildings, most of which are 110 by 30 feet.

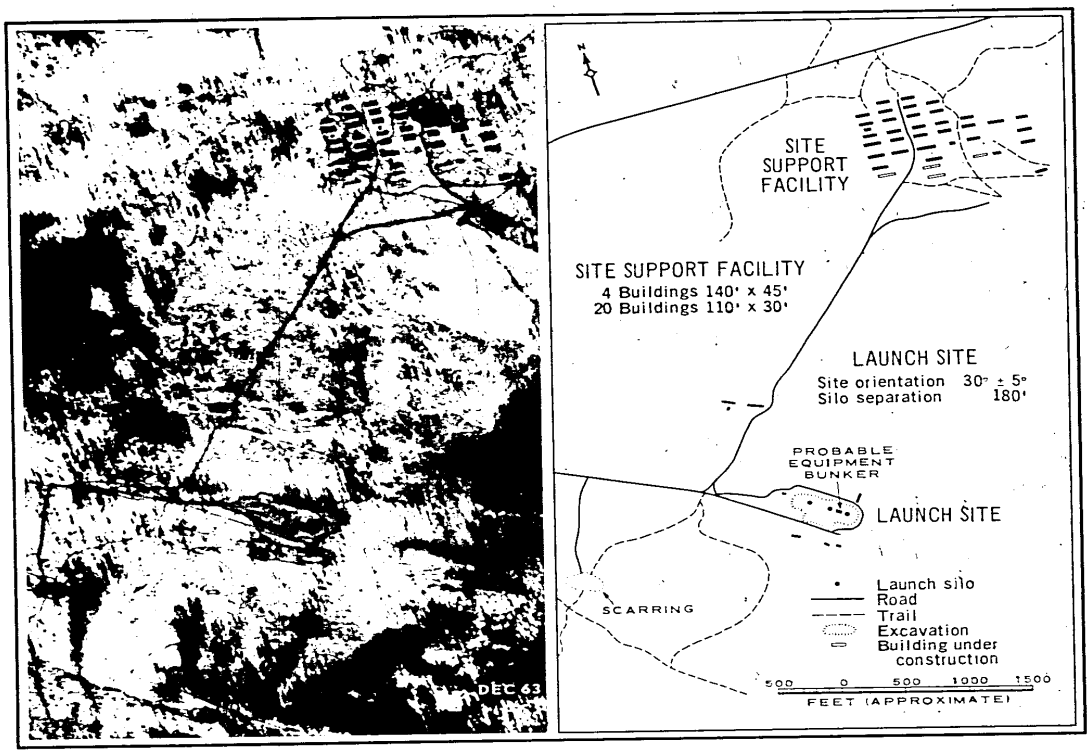


FIGURE 10. LAUNCH AREA E.

25X1

25X1

LAUNCH AREA E

Launch Area E, located 12.2 nm southwest of the complex support facility, consists of a Type IIIA launch site in a midstage of construction, and a site support facility (Figure 10). There was no evidence of the site in April 1963 [redacted] and it was first identified in an early stage of construction in July 1963 [redacted]

The launch site consists of an excavation 500 by 85 feet, with the characteristic notch, containing three launch silos under construction. The silos are spaced 180 feet apart, and oriented on an azimuth of 30 degrees, plus or minus 5 degrees. A fourth structure in the excavation is a probable equipment bunker. No security fencing has been identified.

The site support facility, located 3,500 feet north-northeast of the launch site, consists of at least 34 buildings, and 4 additional buildings under construction.

25X1
25X1
25X1

LAUNCH AREA F

Launch Area F, located 13.2 nm south-southwest of the complex support facility, contains a Type IIIA launch site in a midstage of construction and a site support facility (Figure 11). There was no evidence of the site in April 1963 [redacted] but construction of road accesses and other grading were observed in July 1963 [redacted]

The launch site consists of a shallow excavation 500 by 140 feet, containing a shaft for a probable launch silo. The excavation is oriented on an azimuth of 30 degrees, plus or minus 5 degrees. No security fencing is apparent yet.

The site support facility, located 2,000 feet north-northeast of the launch site, includes at least 24 buildings.

25X1

25X1

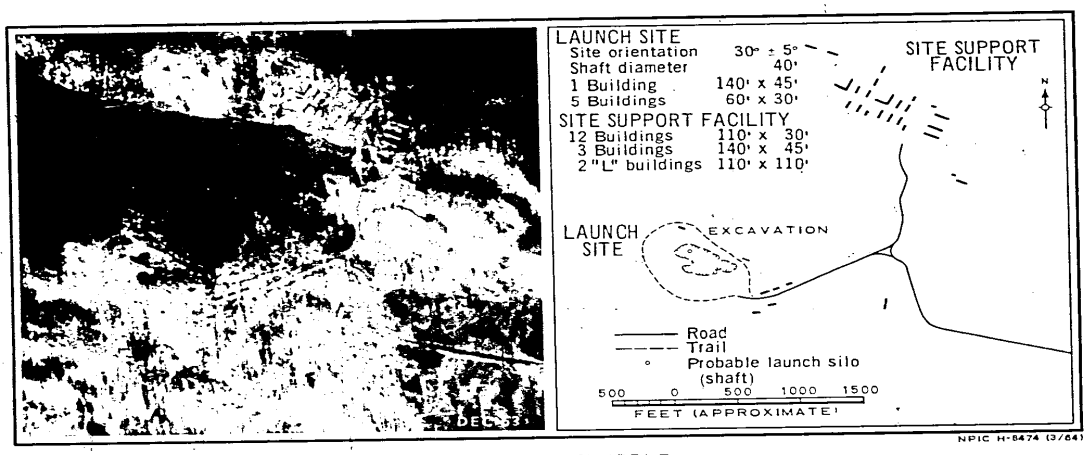


FIGURE 11. LAUNCH AREA F.

NPIC/R-210/64

REFERENCES

25X1

[redacted]

MAPS OR CHARTS

ACIC. USATC Series 200, Sheet 0201-4A, 1st ed, Oct 59, Scale 1:200,000 (SECRET)

DOCUMENT

NPIC. R-68/62, *ICBM Launch Complex, Dvoryanaya, USSR*, May 62 (TOP SECRET RUFF)

REQUIREMENTS

NPIC. PC 806-63

NPIC. PC 25-64

NPIC. PC 91-64

NPIC PROJECTS

J-368/63 (partial answer)

N-32.64

N-106/64